

CNLS External Advisory Committee Meeting
March 16-17, 2012

Friday, March 16

- 8:30 – 8:45 **Welcome and LDRD introduction**
- 8:45 - 9:15 **CNLS Overview** – Robert Ecke CNLS
- 9:30-10:30 *Correlation and Dynamics in Information Systems* [2nd Year]
Aric Hagberg CNLS; Scott Backhaus MPA-CMMS; Steve Brumby ISR-3
Internal Reviewer: James Theiler (Laboratory Fellow)
- 10:30-10:45 **Break**
- 10:45-11:45 *Multi-scale Dynamics of Biological Systems* [2nd Year]
Michael Wall CCS-3, S. Gnanakaran T-6
Spotlight Talks: Anurag Sethi T-6, Doug Shepard MPA-CINT, Brian Munsky CCS-3
Internal Reviewer: Goutam Gupta, B-7 (Co-Director, Biosecurity Center)
- 11:45-1:00 **Lunch** - Meeting with CNLS Postdocs and Early Career Scientists
- 1:00-3:30 *Bridging Equilibrium and Non-Equilibrium Statistical Physics* [3rd Year]
Robert Ecke CNLS, Beth Wingate CCS-2, Cristian Batista T-4
Spotlight Talks: Eric Daub EES-17; Hussein Aluie T2/T5; Yoshitomo Kamiya T-4
Internal Reviewers: Joe Thompson MPA-CMMS (Laboratory Fellow), Phil Jones – LANL COSIM Program Manager
- 3:30-3:45 **Break**
- 3:45-4:30 **Out-brief for LDRD Program Management**
- 4:30-5:30 **New Proposal in Materials and Fluids Discussion**

Saturday, March 17

- 9:00 – 12:00 **Discussion and Proposal Review**
- 12:00 – 1:00 **Lunch**
- 1:00 – 5:00 **Report Preparation**

External Advisory Committee Members

David Campbell – Department of Physics, Boston University. CNLS Director 1992; Head of Physics, University Illinois Urbana-Champaign 2004, Dean of Engineering BU 2005; Provost BU 2011; Fellow: American Physical Society and American Association of Advancement of Science; APS Lillienfeld Prize. Editor in Chief *Chaos*.

Susan Coppersmith – Vilas Professor of Physics, University of Wisconsin. Distinguished Member of Technical Staff Bell Laboratories 1995, Professor University of Chicago 2001. Department Chair, Fellow: APS, AAAS, American Academy of Arts and Sciences. Member: National Academy of Science. Past Chair APS Division of Condensed Matter Physics.

Herbert Levine – Professor of Physics, UCSD/ Professor of Physics and Hasselman Professor of Biomedical Engineering, Rice University. Fellow: American Physical Society. Past Chair: APS Division of Biological Physics. Member: National Academy of Science. Co-Director, NSF Center for Theoretical Biological Physics.

Thomas Witten – Livingston Professor of Physics, University of Chicago. Fellow: American Physical Society & American Academy of Arts and Sciences, APS Polymer Physics Prize, Lorentz Professor (Leiden).

Peter Wolynes – Bullard-Welch Professor of Science & Professor of Chemistry, Rice University. Fellow: American Physical Society, AAAS, Biophysical Society, American Academy of Arts and Sciences. APS Biological Physics Prize. Member: National Academy of Science. Fellow of Royal Society. German Leopoldina.

Jonathan Yedidia – Disney Research Boston. PhD Physics Princeton 1990. Harvard Junior Fellow 1993. Professional Chess Champion – International Master. Web start up Viaweb 1997. Distinguished Member of Technical Staff at Mitsubishi Electrical Research Laboratory (MERL) 1998-2011.

William Young – Professor of Physical Oceanography UCSD and Scripps Institution of Oceanography. Fellow: American Geophysical Union, American Meteorological Society, AGU McElwane Medal, Batchelor Lecturer (University Cambridge).